NANOMETRICS INC

Form 4

February 10, 2017

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

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OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940

1(b).

(Last)

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Andreson Jeff Issuer Symbol

> NANOMETRICS INC [NANO] (Check all applicable)

(Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 02/08/2017 below) Chief Financial Officer

C/O NANOMETRICS. **INCORPORATED, 1550 BUCKEYE DRIVE**

(First)

(Street) 4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

MILPITAS, CA 95035

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of

Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of Securities Form: Direct Indirect (Instr. 3) Code (D) Beneficially (D) or Beneficial (Instr. 3, 4 and 5) Ownership (Month/Day/Year) (Instr. 8) Owned Indirect (I) (Instr. 4) Following (Instr. 4) Reported

(A) Transaction(s) or (Instr. 3 and 4) Code V (D) Price Amount

Common 16,200 02/08/2017 \$0 83,518 (2) A A D (1) Stock

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number op of Derivati Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	ative Expiration Date (s) (Month/Day/Year) d		7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A) (Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Performance Stock Units	<u>(3)</u>	02/08/2017		A	8,100	(3)	02/08/2020	Common Stock	8,100

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Andreson Jeff C/O NANOMETRICS, INCORPORATED 1550 BUCKEYE DRIVE MILPITAS, CA 95035			Chief Financial Officer			

Signatures

/s/ Janet Taylor, Attorney-in-Fact 02/10/2017

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Shares are represented by restricted stock units. Each restricted stock unit represents a contingent right to receive one share of NANO common stock. The restricted stock units vest on an annual basis, in equal 1/3rd increments, over a three-year period from the award date.
- (2) Includes 486 shares purchased on December 30, 2016, pursuant to the Issuer's Employee Stock Purchase Plan.
- Shares are represented by performance stock units. Each performance stock unit represents a contingent right to receive one share of NANO common stock. The performance stock units vest on an annual basis, in equal 1/3rd target increments, over a three-year period, provided that certain price performance targets are met. 2/3rds will vest for each increment if target price performance is met for that increment and 100% will vest if maximum price performance is met for that increment.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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